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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/413,515	10/06/1999	JOHN R. SMITH	YO998-393	2108

7590 06/05/2003

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[REDACTED] EXAMINER

DO, ANH HONG

ART UNIT	PAPER NUMBER
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2624

DATE MAILED: 06/05/2003

10

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No. 09/413,515	Applicant(s) Smith et al.
Examiner Anh Hong Do	Art Unit 2624

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on Jan 31, 2003
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-29 is/are pending in the application.
- 4a) Of the above, claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-29 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on _____ is: a) approved b) disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some* c) None of:
1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- *See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).
- a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) Paper No(s). _____
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) Notice of Informal Patent Application (PTO-152)
- 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____ 6) Other: _____

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 1/31/2003 has been entered.

Response to Arguments

2. Applicant's arguments with respect to claims 1-29 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

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4. Claims 1-29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Park et al. (U.S. Patent No. 6,529,528 B1) in view of Hoffert et al. (U.S. Patent no. 5,903,892).

Regarding claim 1, Park discloses:

- analyzing the multimedia presentation (i.e., video, audio data) using H.233 Protocol unit 110 (Fig. 1);
- performing transcoding based the analyzed content using transcoder 120 (Fig. 1).

Although teaching analyzing the multimedia presentation, Park does not specifically teach analyzing its content. One skilled in the art would have clearly recognized that the system of Park multiplex the multimedia such that it can be accurately detected (col. 3, lines 1-9).

Hoffert, in the same field of endeavor, teaches analyzing a content of multimedia file wherein the system of Hoffert is to correctly detect and find a desired media file (col. 3, lines 3-8). Therefore, it would have been obvious to analyze the content of multimedia file in Park as taught by Hoffert in order to accurately detect and then find a desired multimedia file.

Regarding claim 3, Park teaches selecting less than all of said content for transcoding and transcoding less than all of said content (e.g., transcoding only HDLC 110 as shown in Fig. 2).

Regarding claims 4 and 5, Hoffert teaches separating a multimedia document into individual multimedia object and analyzing each multimedia object individually (col. 3, lines 12-15).

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Regarding claims 6 and 7, Hoffert teaches identifying relationships between multimedia objects within a multimedia document (Fig. 4C: step 421) and Park teaches transcoding the related elements/objects as a group HDLC 110 (Figs. 1 and 2).

Regarding claim 8, Hoffert teaches wherein the multimedia content is a document published on the World-Wide Web (col. 4, lines 4-6).

Regarding claim 9, Hoffert teaches the multimedia comprises visual content (col. 24, lines 3-8).

Regarding claim 10, Hoffert teaches the visual content is classified as an image type (col. 24, lines 3-8).

Regarding claim 11, Hoffert teaches a decision tree for classifying images into image type classes (col. 8, lines 13-21).

Regarding claim 12, Hoffert teaches color photos, color graphics, gray graphics, black and white photos, and black and white graphics (col. 19, lines 56-63).

Regarding claim 13, Hoffert teaches extracting color and texture features from the images (col. 22, lines 30-33).

Regarding claims 14 and 15, Hoffert teaches the image classification is used to select from different methods for compression (col. 22, lines 57-61), size and color reduction (col. 22, lines 49-52), substitution and removal (col. 21, lines 45-49).

Regarding claim 16, Park teaches the transcoder adapts the content to display, processing and storage constraints of the client devices (Fig. 1: transcoder 120 and col. 2, lines 19-23).

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Regarding claim 17, Hoffert teaches adapting the content to the bandwidth and connectivity constraints of the network (col. 16, lines 41-45).

Regarding claim 18, Hoffert teaches the client device is a browser (col. 22, line 66 - col. 23, line 2).

Regarding claim 19, Hoffert teaches the client device is a hand-held computer (col. 27, line 30).

Regarding claim 20, Hoffert teaches intranet sites which can implicitly be accessed by phone (col. 28, lines 17-18).

Regarding claims 21 and 22, Hoffert teaches the network connection uses a wireless link to the client device (col. 3, lines 50-54).

Regarding claims 23 and 24, Hoffert teaches selecting an alternative version of data (col. 4, lines 45-51).

Regarding claim 25, since this system claims corresponds to method claim 1, the discussion of claim 1 applies hereto.

Regarding claim 27, Hoffert teaches a computer program of instructions (col. 28, lines 28-29) to perform the steps in claim 1 and accordingly the discussion of claim 1 applies hereto.

Regarding claims 2, 26 and 28, Park teaches selecting at least one transcoding alternative and performing transcoding the content according to said at least one transcoding alternative (Fig. 1: transcoder 120 and col. 2, lines 19-23).

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Regarding claim 29, Hoffert teaches the content analysis results stored embedded with the multimedia content (col. 26, lines 33-36).

Contact Information

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anh Hong Do whose telephone number is (703) 308-6720.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-4700 or 4750. The fax phone number for this Group is (703) 872-9314.

June 2, 2003.

